

Title: Voice command for a TV set

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Abstract: A goal of this thesis is to create television voice control intended for people with speech and movement disorder. This is achieved by interconnecting computer and television. Voice control is based on well-known dynamic time warping algorithm. It has been shown, that due to high and frequent changes in sound intensity the voice control of television is quite a complex task. The word recognition success rate of the final application is not very high, but for the purpose sufficient. Because of application design, program can be easily extended by techniques, that can improve recognition effectivity.

Keywords: voice control, word recognition, dynamic time warping, television